FIG. 1

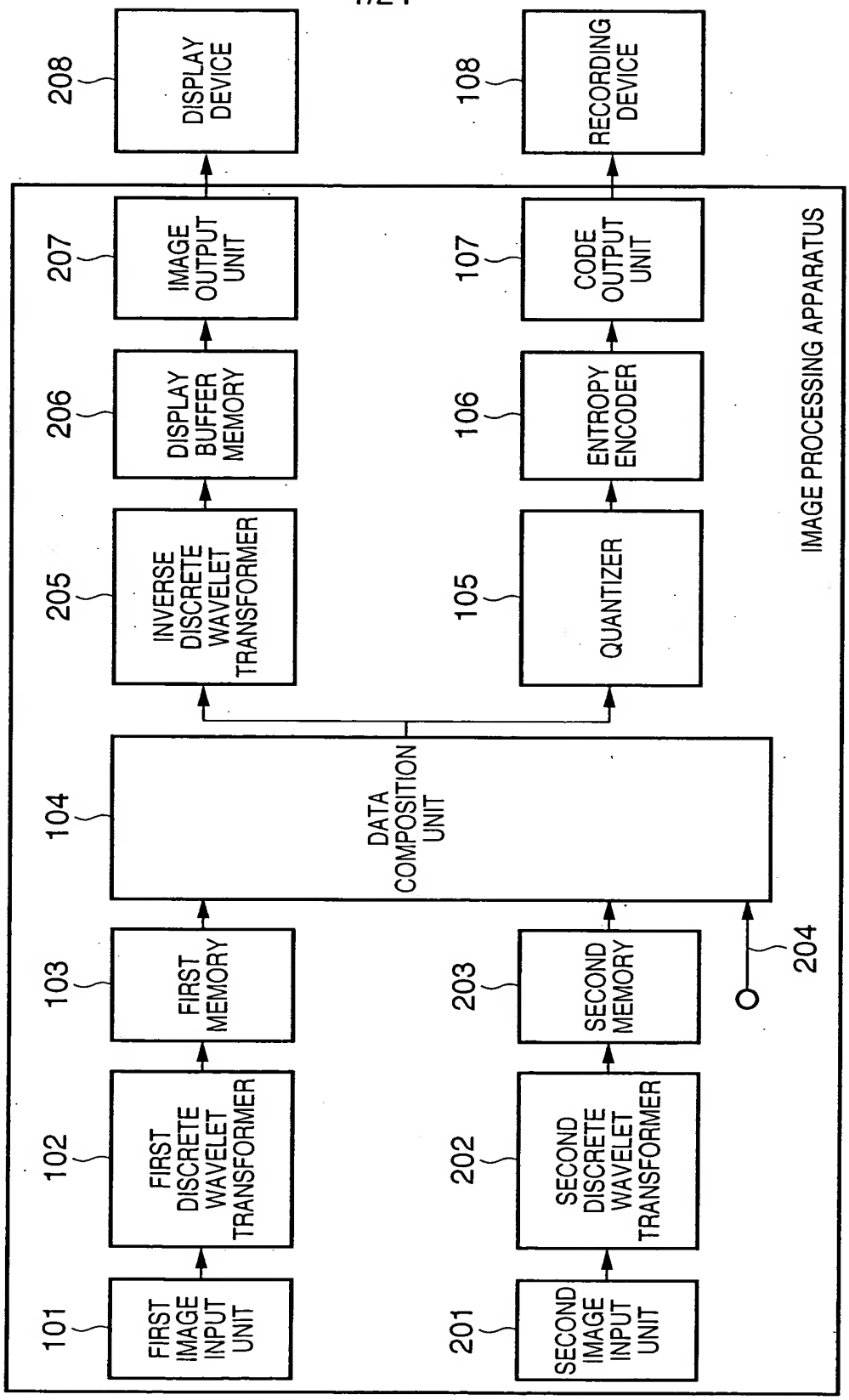


IMAGE PROCESSING APPARATUS
101
FIRST IMAGE INPUT UNIT
102
FIRST DISCRETE WAVELET TRANSFORMER
103
FIRST MEMORY
201
SECOND IMAGE INPUT UNIT
202
SECOND DISCRETE WAVELET TRANSFORMER
203
SECOND MEMORY
204
104
DATA COMPOSITION UNIT
205
INVERSE DISCRETE WAVELET TRANSFORMER
206
DISPLAY BUFFER MEMORY
207
IMAGE OUTPUT UNIT
208
DISPLAY DEVICE
105
QUANTIZER
106
ENTROPY ENCODER
107
CODE OUTPUT UNIT
108
RECORDING DEVICE

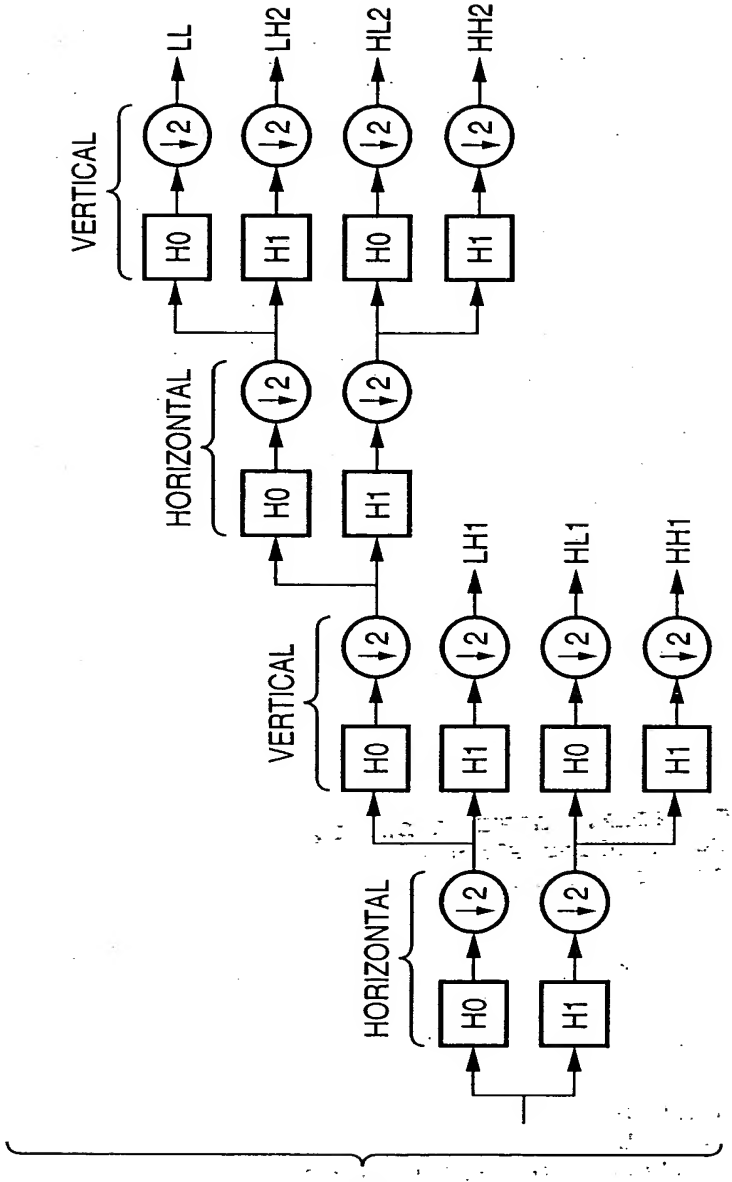

VERTICAL
HORIZONTAL
VERTICAL
HORIZONTAL
H0
H1
↓2
LL
LH2
HL2
HH2
LH1
HL1
HH1

FIG. 2A

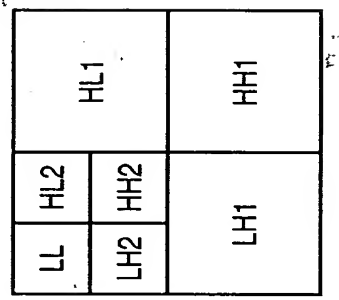

LL
HL2
LH2
HH2
HL1
HH1
LH1

FIG. 2B

FIG. 3

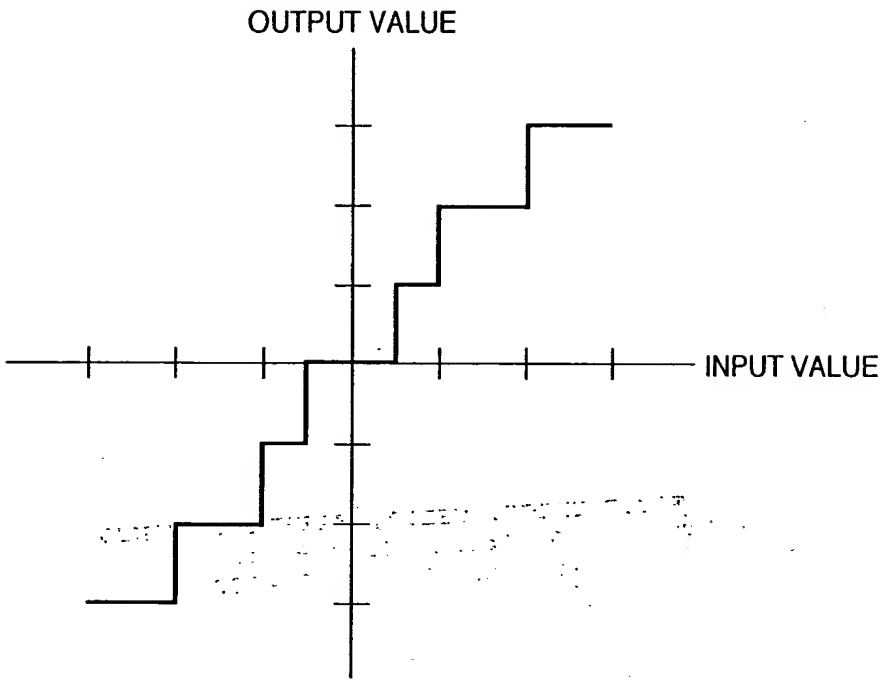


FIG. 4

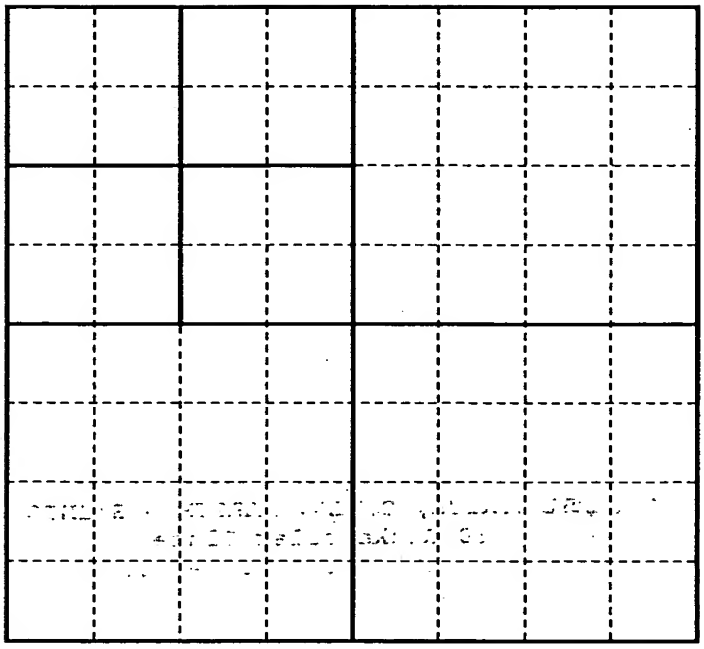


FIG. 5A

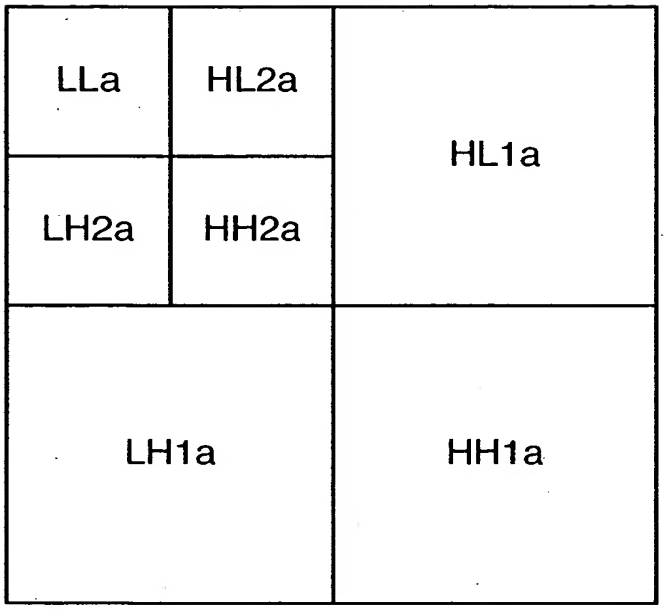

LLa
HL2a
HL1a
LH2a
HH2a
LH1a
HH1a

FIG. 5B

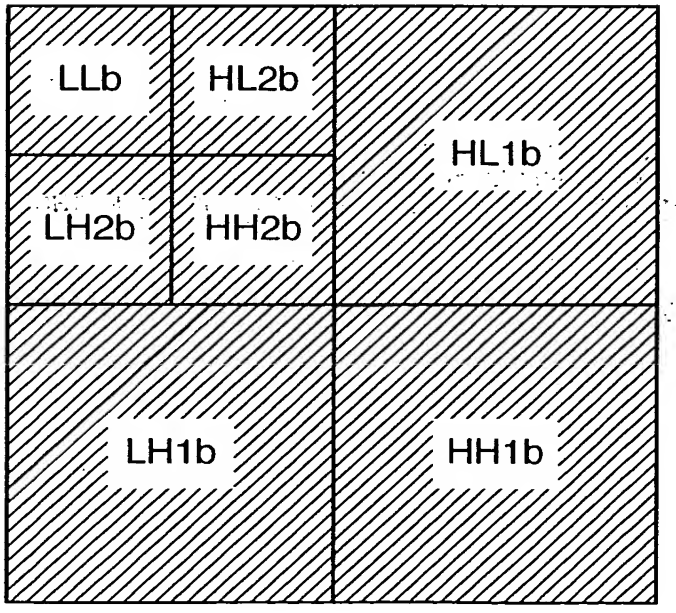
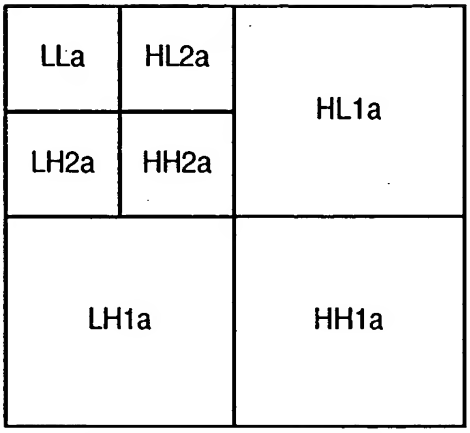
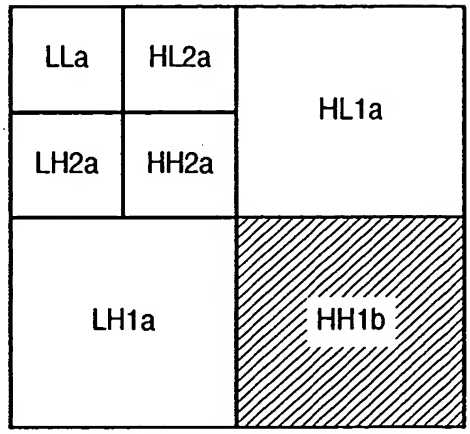

LLb
HL2b
HL1b
LH2b
HH2b
LH1b
HH1b

FIG. 6A



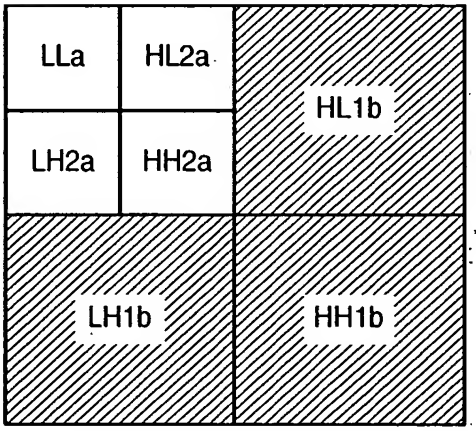
START OF SWITCHING

FIG. 6B



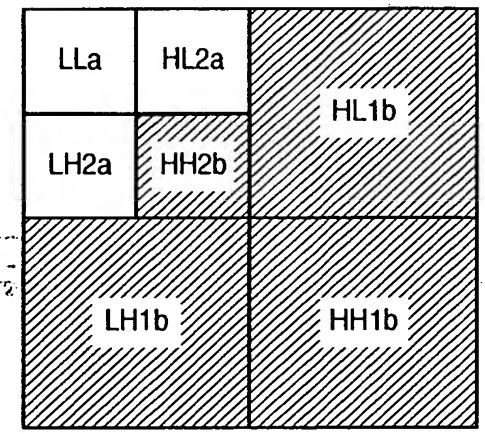
1ST TO 30TH FRAMES

FIG. 6C



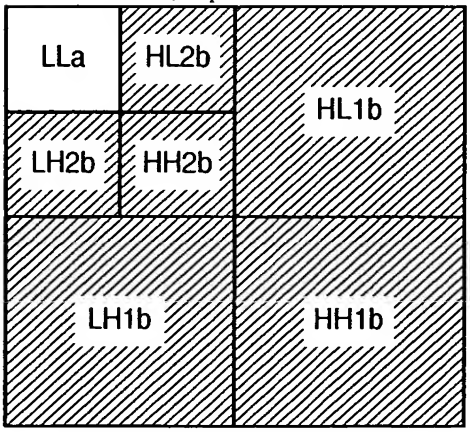
31ST TO 60TH FRAMES

FIG. 6D



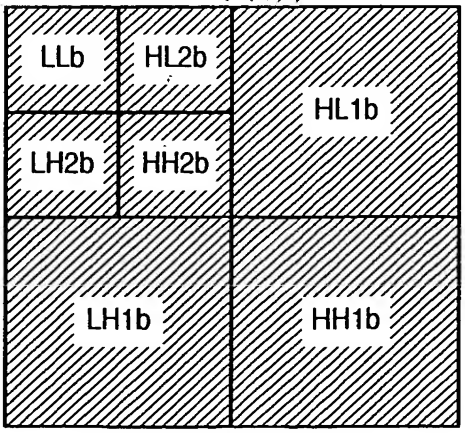
61ST TO 90TH FRAMES

FIG. 6E



91ST TO 120TH FRAMES

FIG. 6F



END OF SWITCHING

FIG. 7

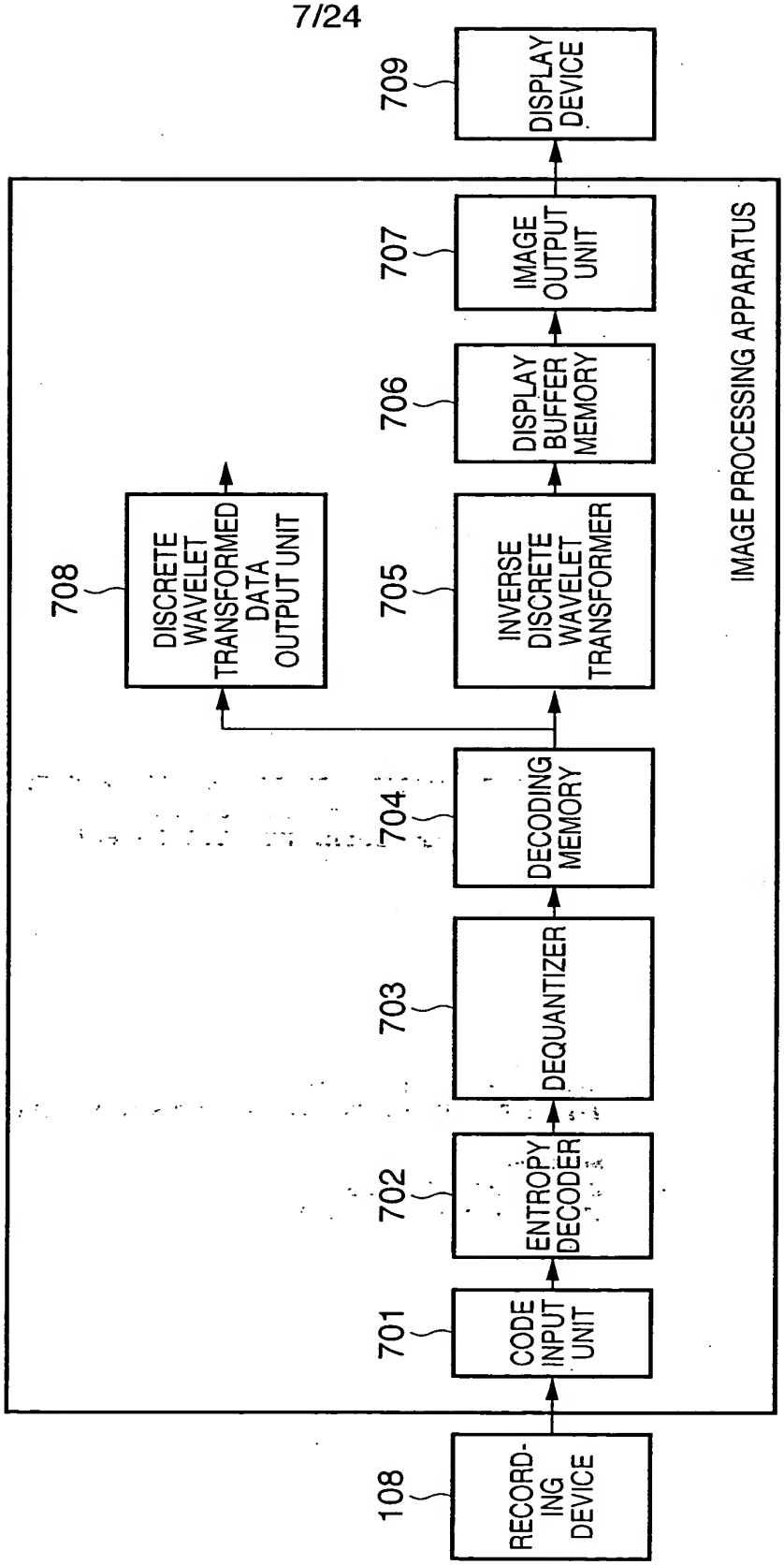


IMAGE PROCESSING APPARATUS
108
RECORD-ING DEVICE
701
CODE INPUT UNIT
702
ENTROPY DECODER
703
DEQUANTIZER
704
DECODING MEMORY
705
INVERSE DISCRETE WAVELET TRANSFORMER
706
DISPLAY BUFFER MEMORY
707
IMAGE OUTPUT UNIT
708
DISCRETE WAVELET TRANSFORMED DATA OUTPUT UNIT
709
DISPLAY DEVICE

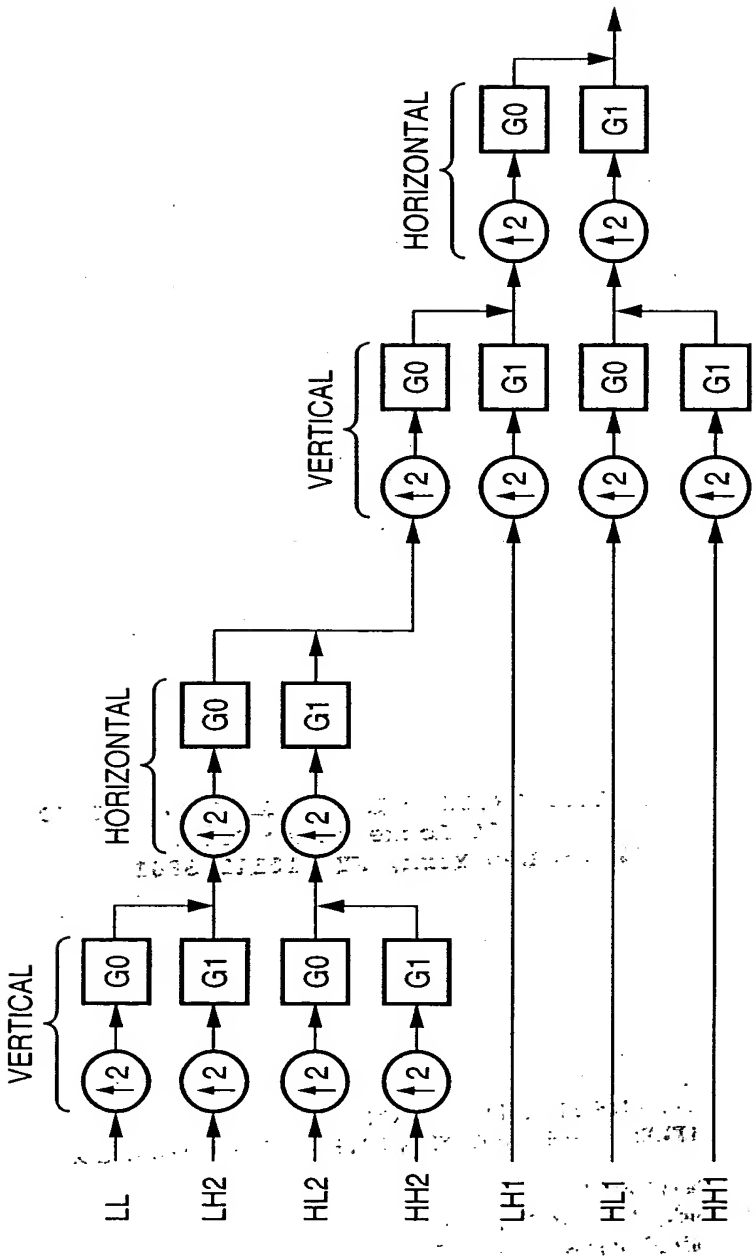

VERTICAL
HORIZONTAL
VERTICAL
HORIZONTAL
G0
G1
↑2
LL
LH2
HL2
HH2
LH1
HL1
HH1

FIG. 8

FIG. 9

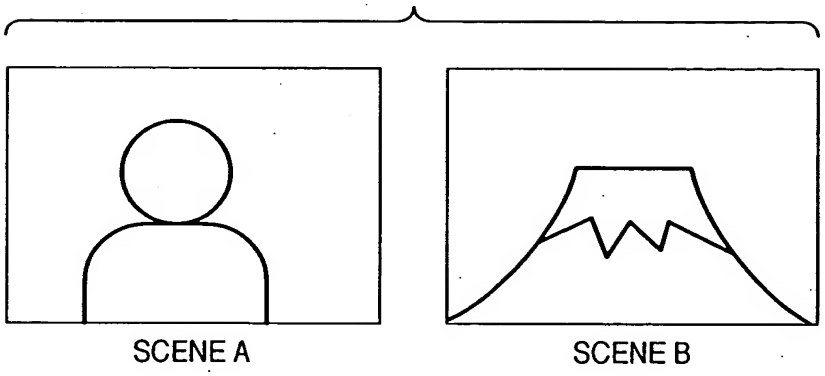


FIG. 10

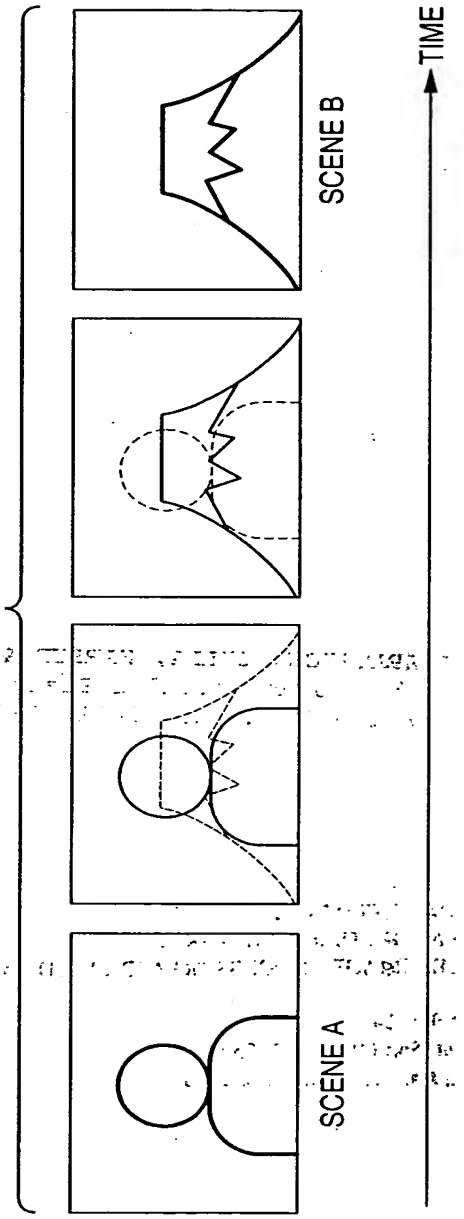
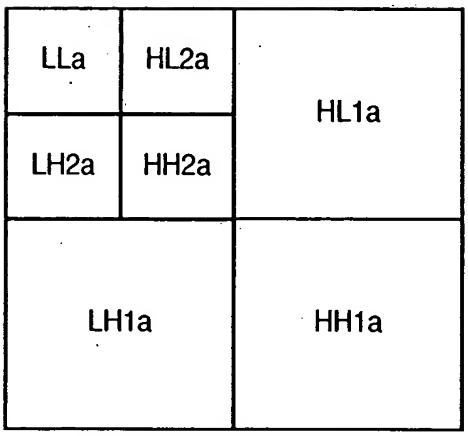
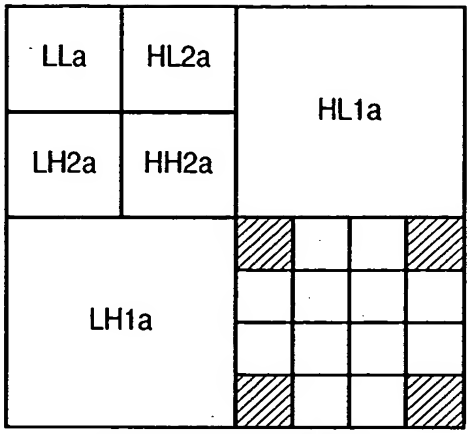


FIG. 11A



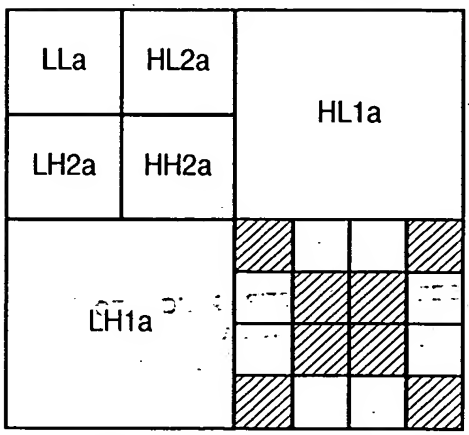
START OF SWITCHING

FIG. 11B



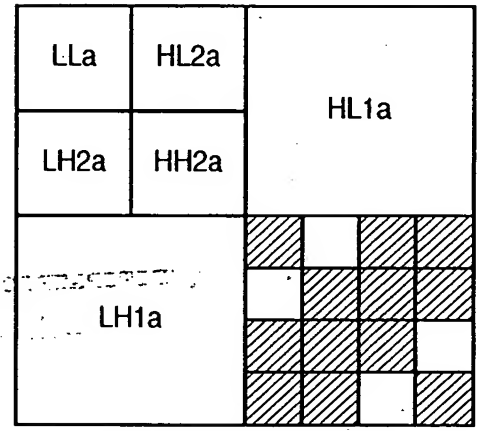
1ST TO 8TH FRAMES

FIG. 11C



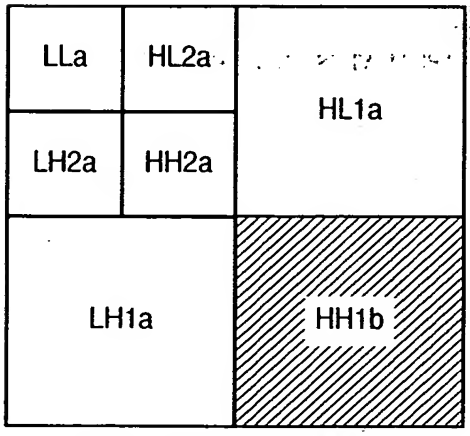
9TH TO 16TH FRAMES

FIG. 11D



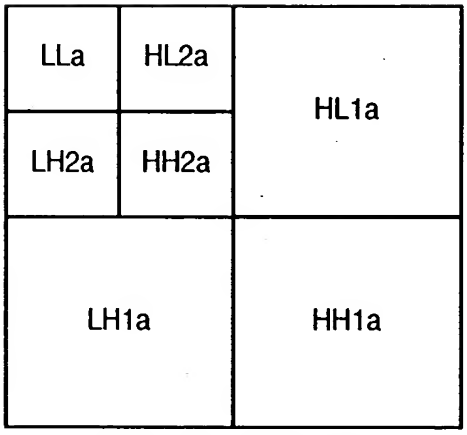
17TH TO 24TH FRAMES

FIG. 11E



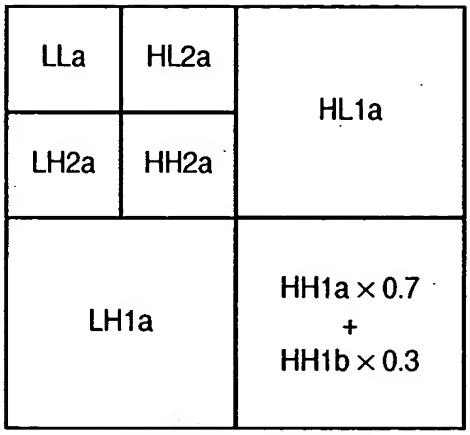
25TH TO 32ND FRAMES

FIG. 12A



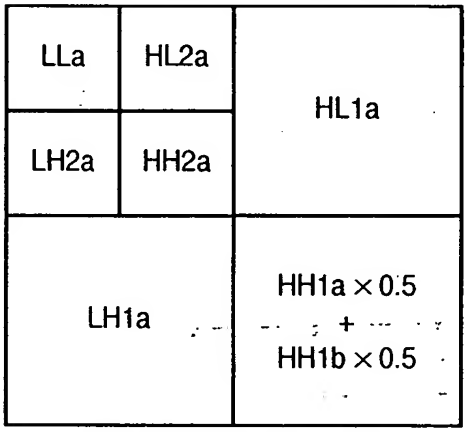
START OF SWITCHING

FIG. 12B



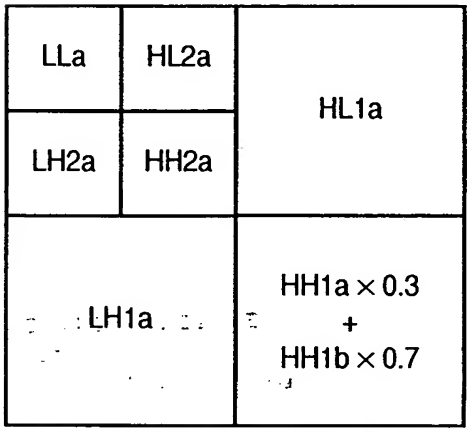
1ST TO 8TH FRAMES

FIG. 12C



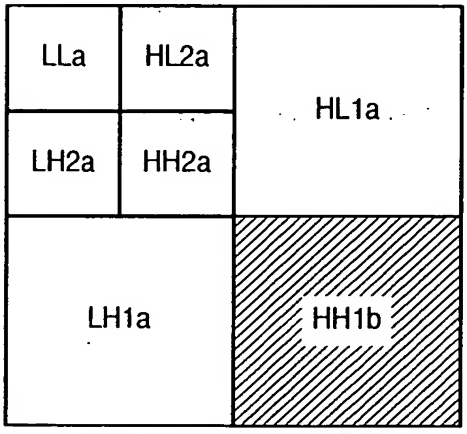
9TH TO 16TH FRAMES

FIG. 12D



17TH TO 24TH FRAMES

FIG. 12E



25TH TO 32ND FRAMES

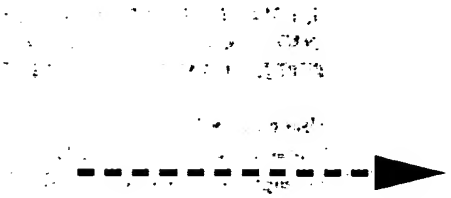


FIG. 13

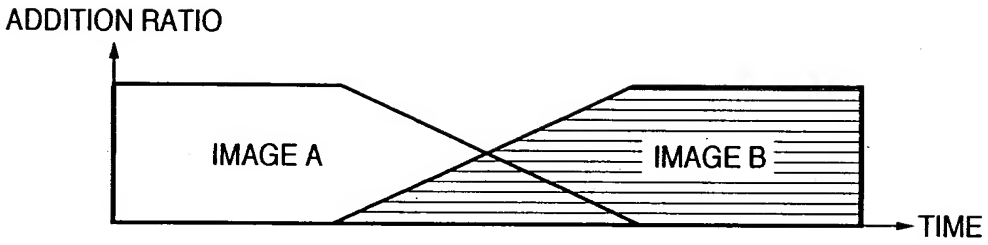


FIG. 14

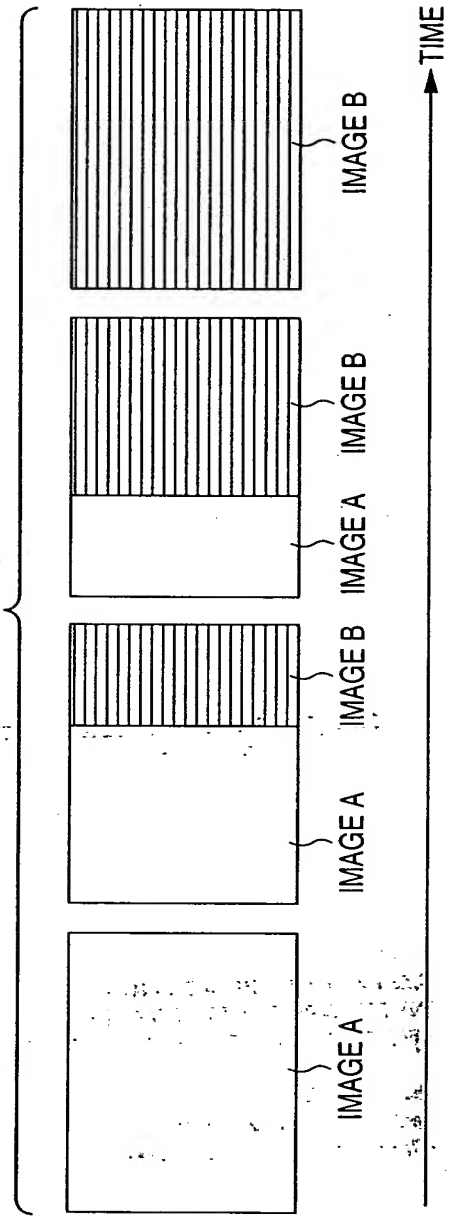


FIG. 15

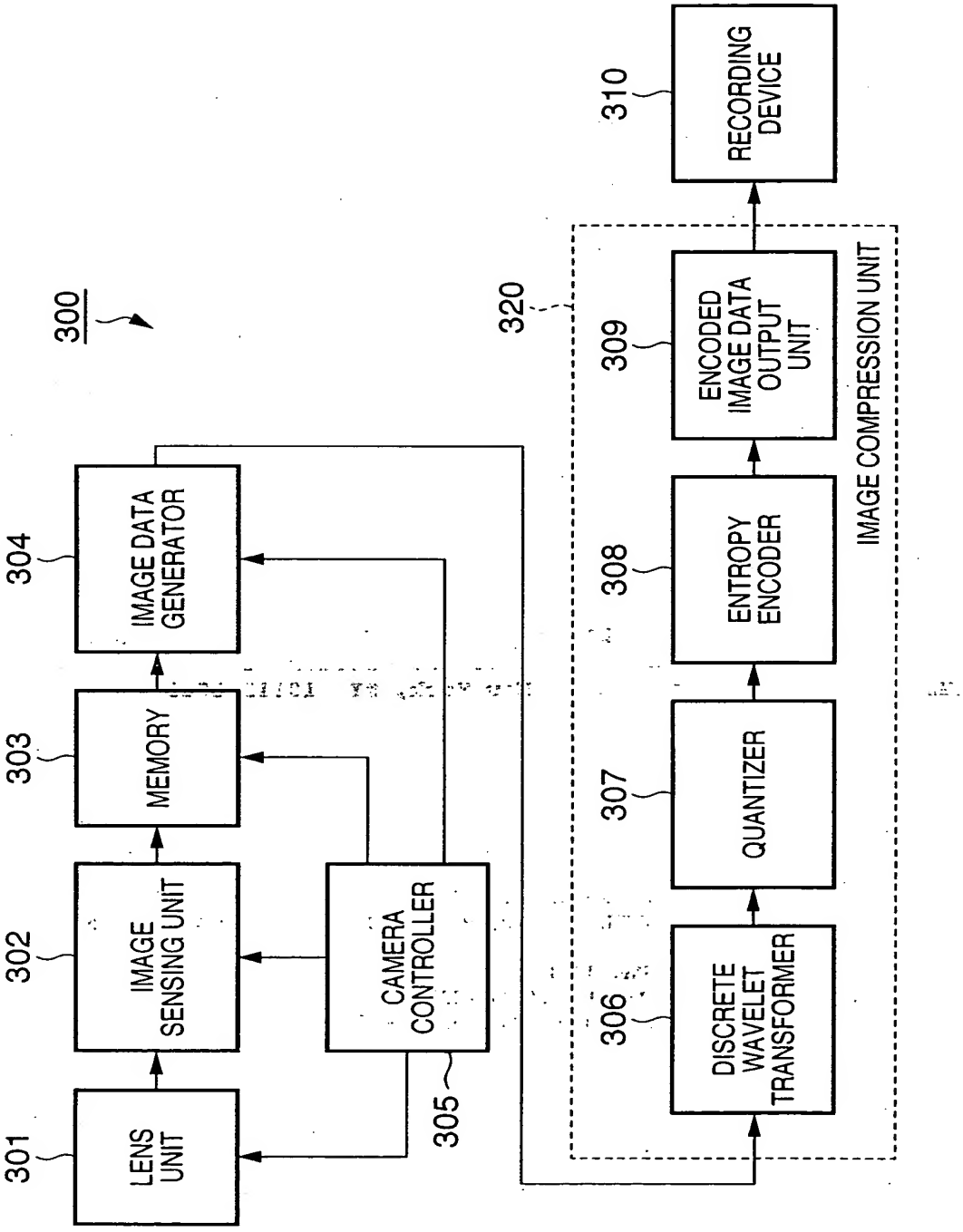

300
301
LENS UNIT
302
IMAGE SENSING UNIT
303
MEMORY
304
IMAGE DATA GENERATOR
305
CAMERA CONTROLLER
320
IMAGE COMPRESSION UNIT
306
DISCRETE WAVELET TRANSFORMER
307
QUANTIZER
308
ENTROPY ENCODER
309
ENCODED IMAGE DATA OUTPUT UNIT
310
RECORDING DEVICE

FIG. 16

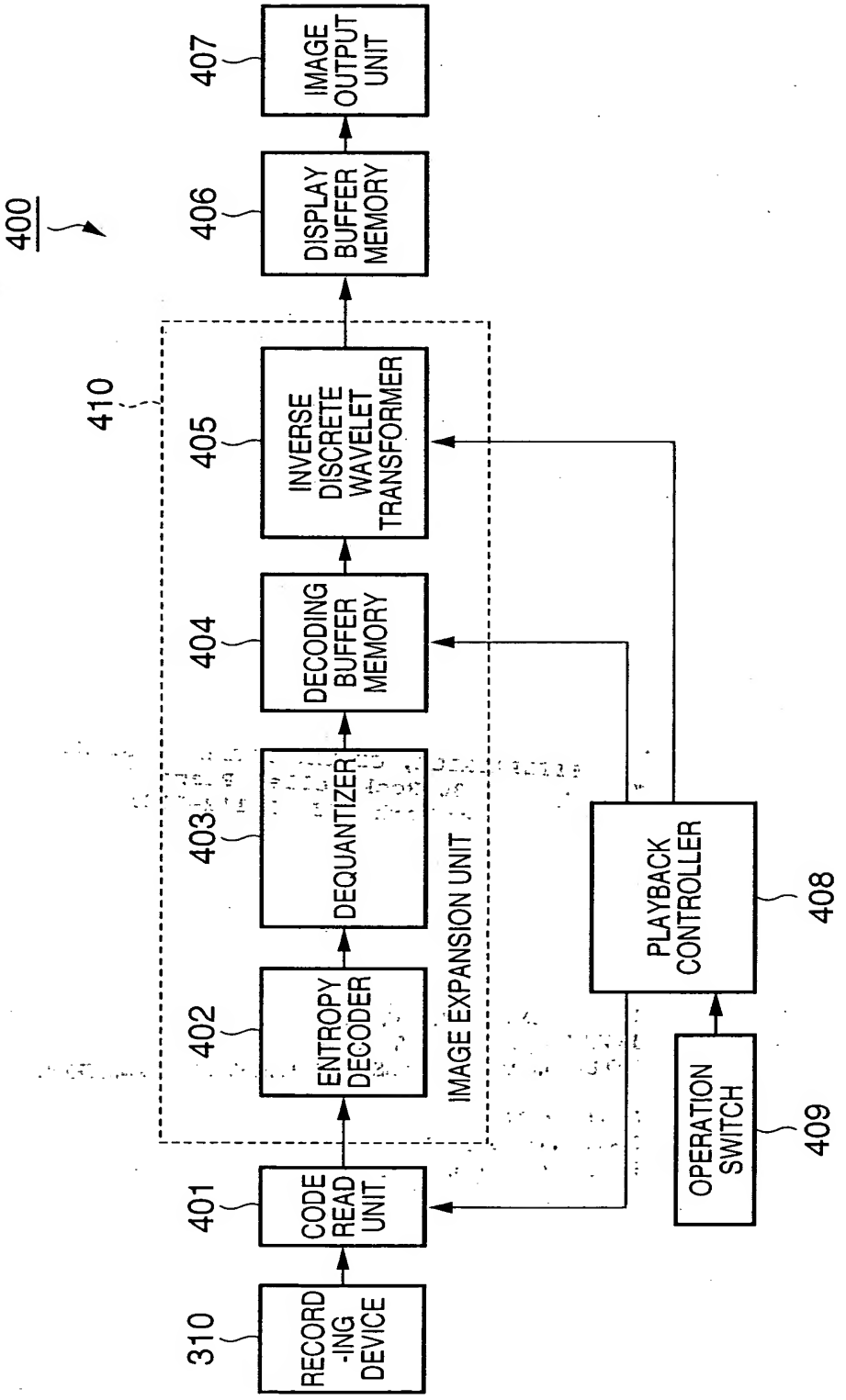

400
410
IMAGE EXPANSION UNIT
310
RECORD-ING DEVICE
401
CODE READ UNIT
402
ENTROPY DECODER
403
DEQUANTIZER
404
DECODING BUFFER MEMORY
405
INVERSE DISCRETE WAVELET TRANSFORMER
406
DISPLAY BUFFER MEMORY
407
IMAGE OUTPUT UNIT
408
PLAYBACK CONTROLLER
409
OPERATION SWITCH

FIG. 17A

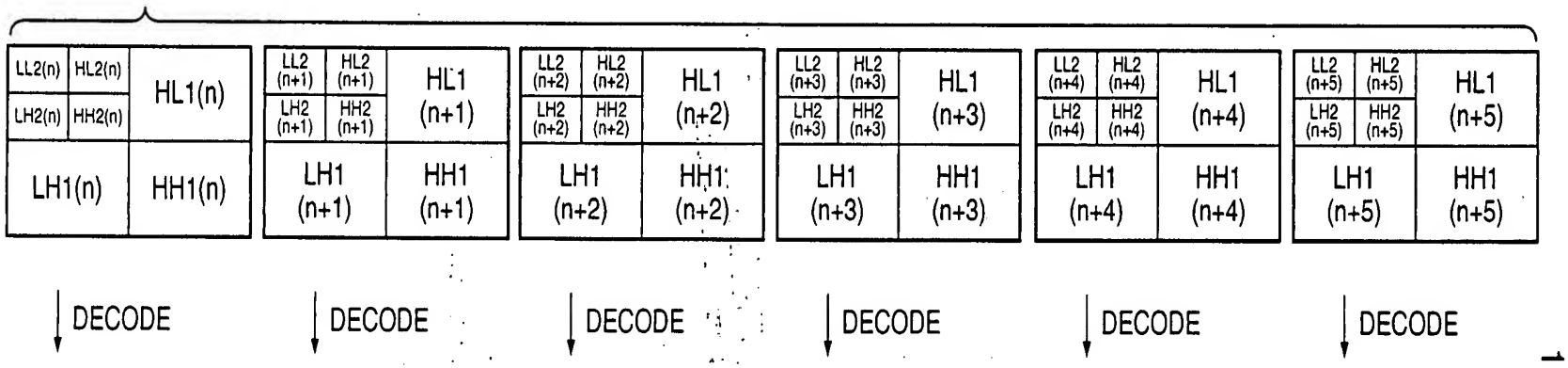


FIG. 17B

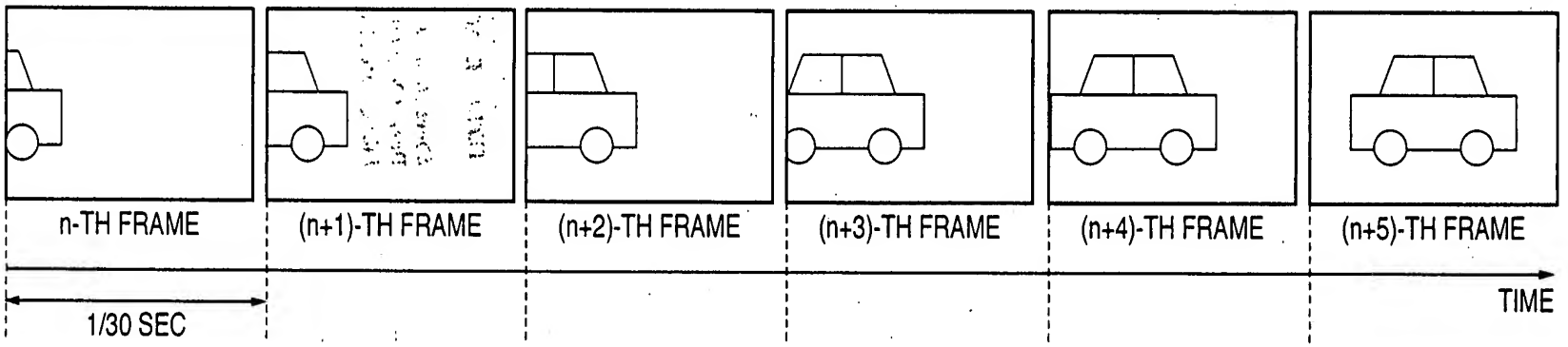


FIG. 18A

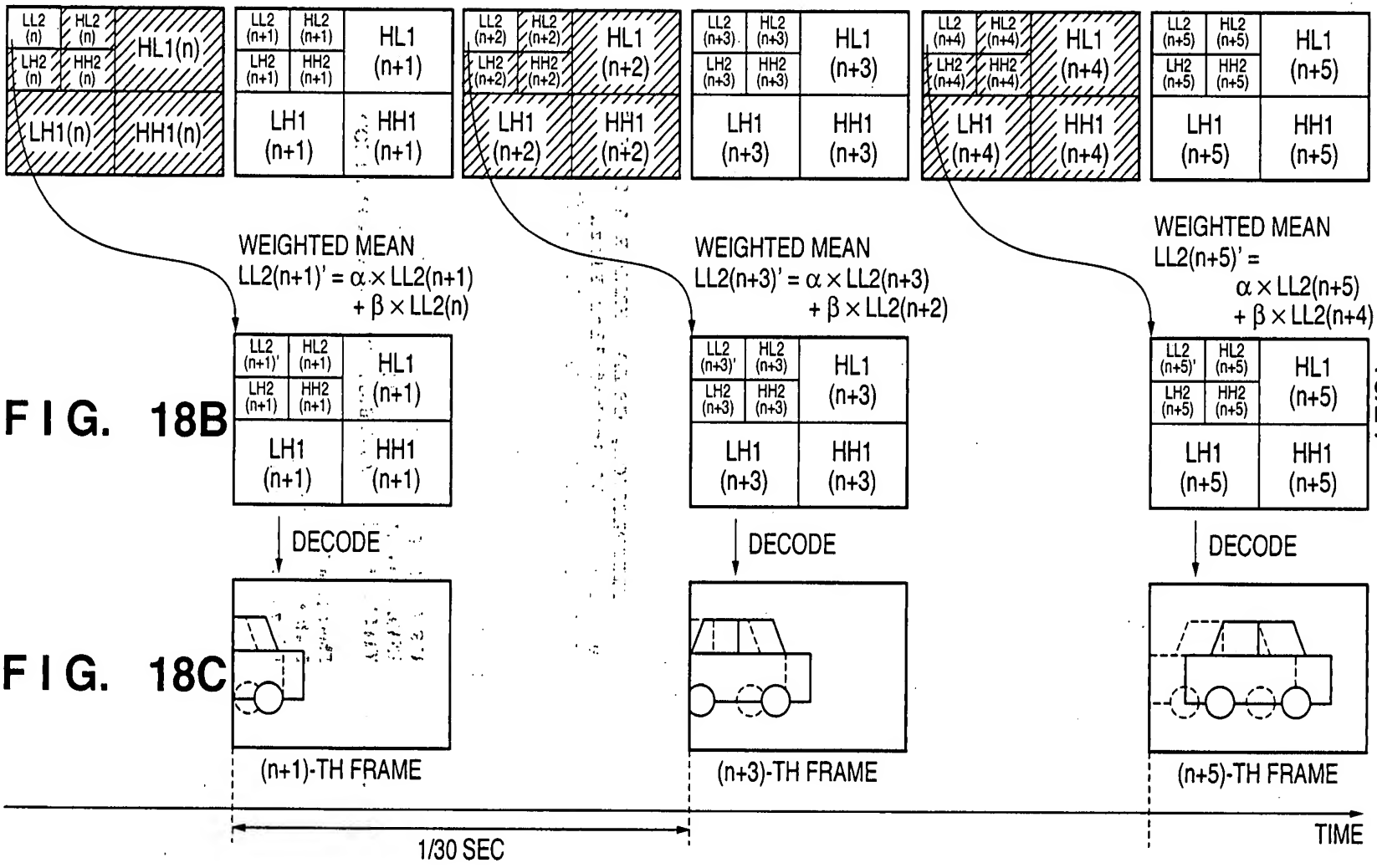


FIG. 18B

FIG. 18C

FIG. 19A

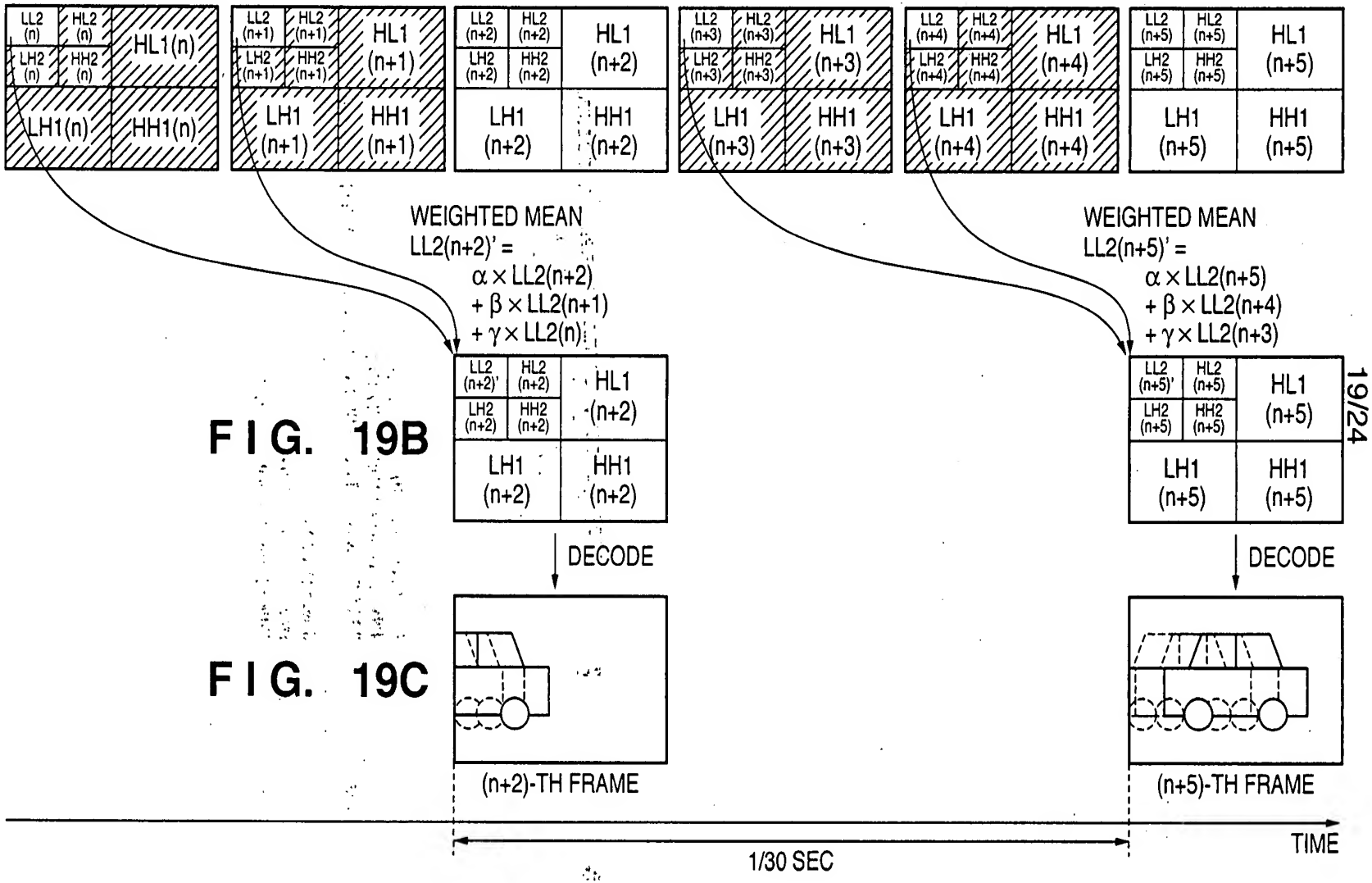


FIG. 19B

FIG. 19C

FIG. 20A

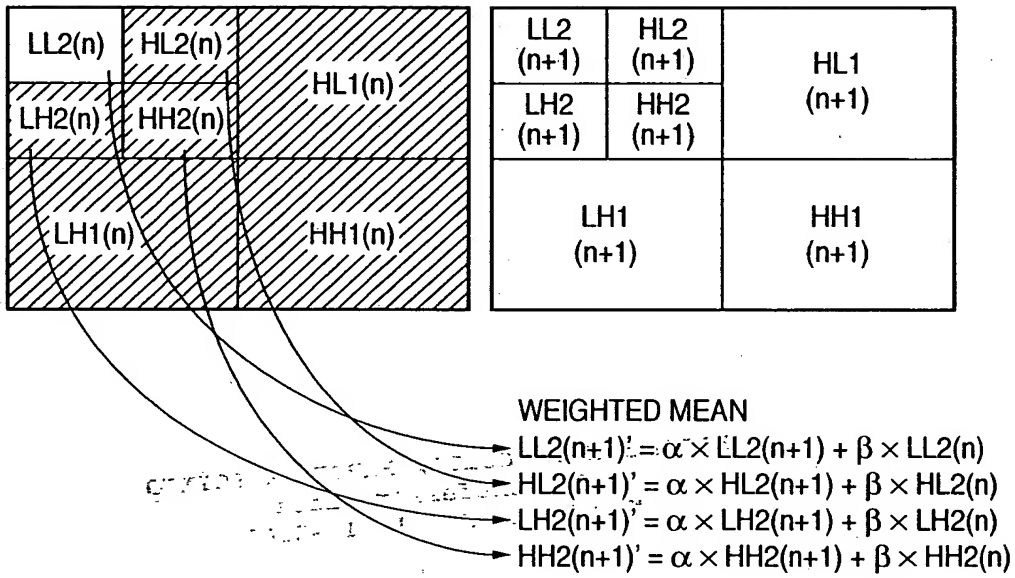


FIG. 20B

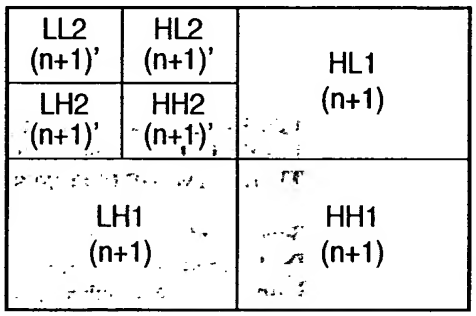


FIG. 21A

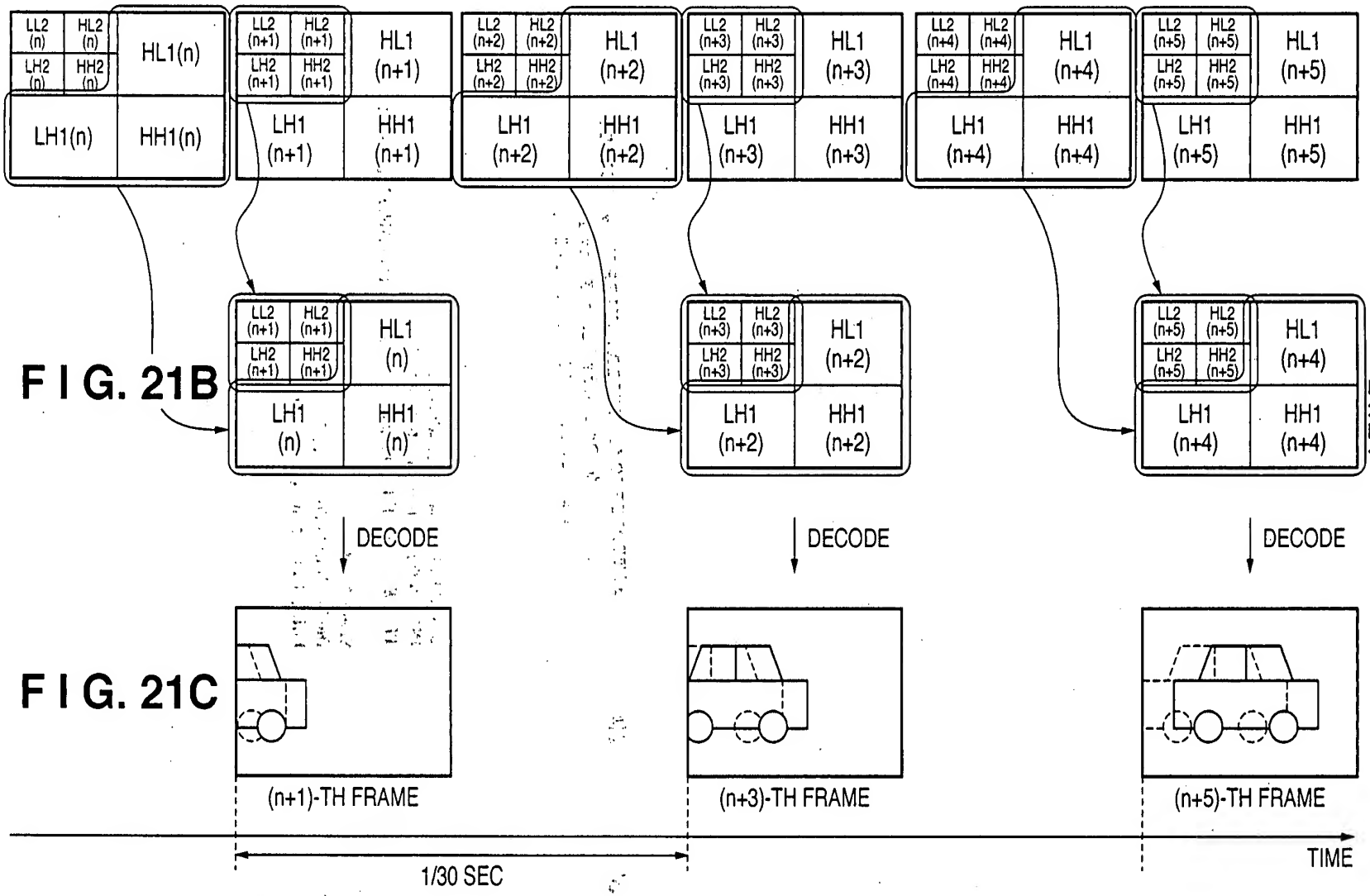


FIG. 21B

DECODE DECODE DECODE

FIG. 21C

FIG. 22A

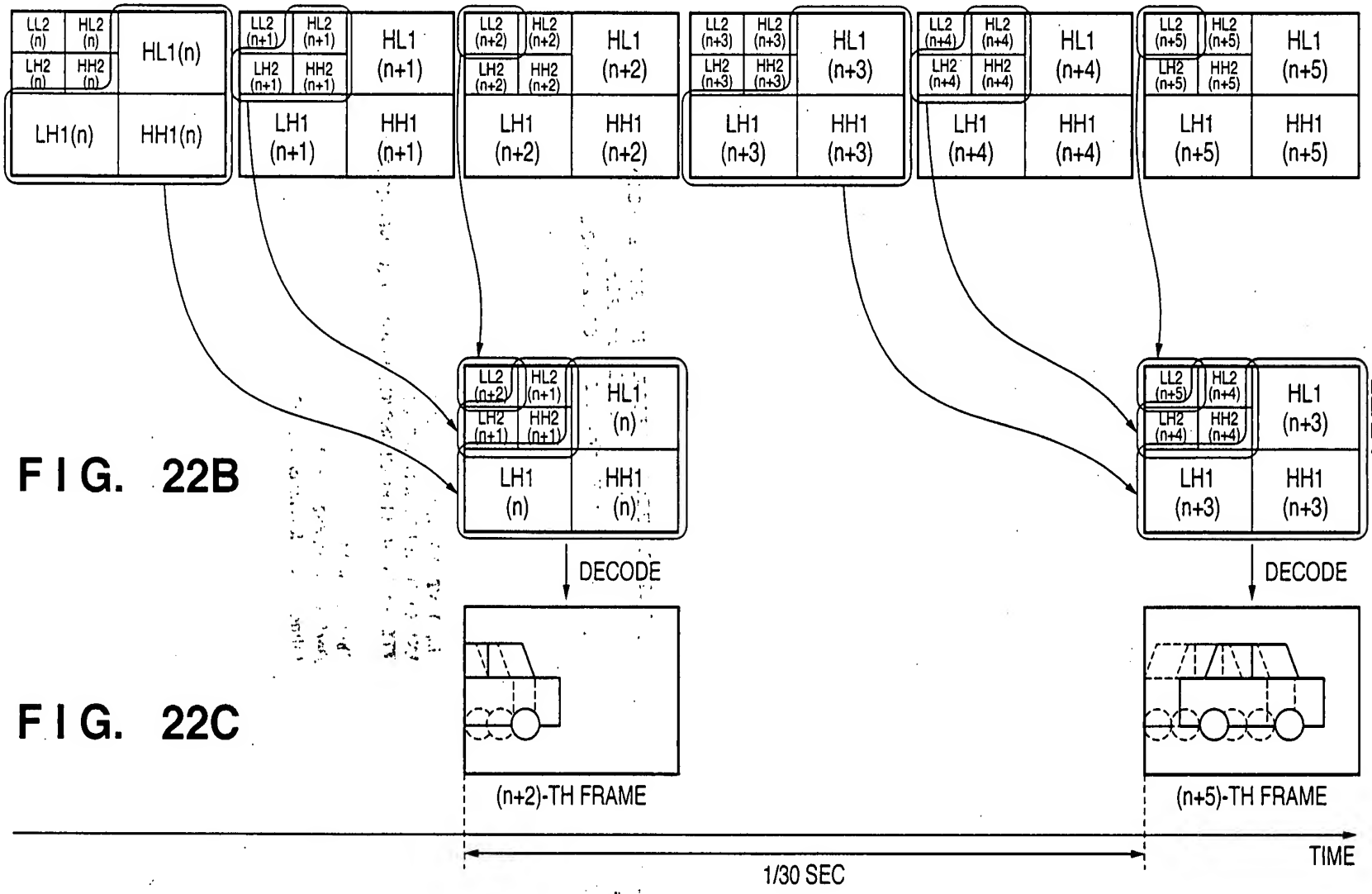


FIG. 22B

FIG. 22C

FIG. 23

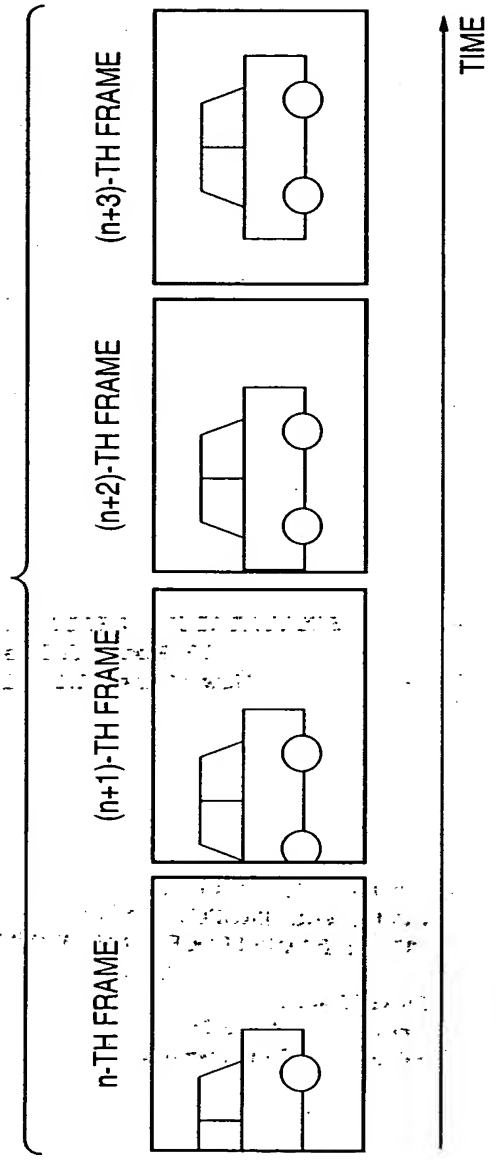


FIG. 24